



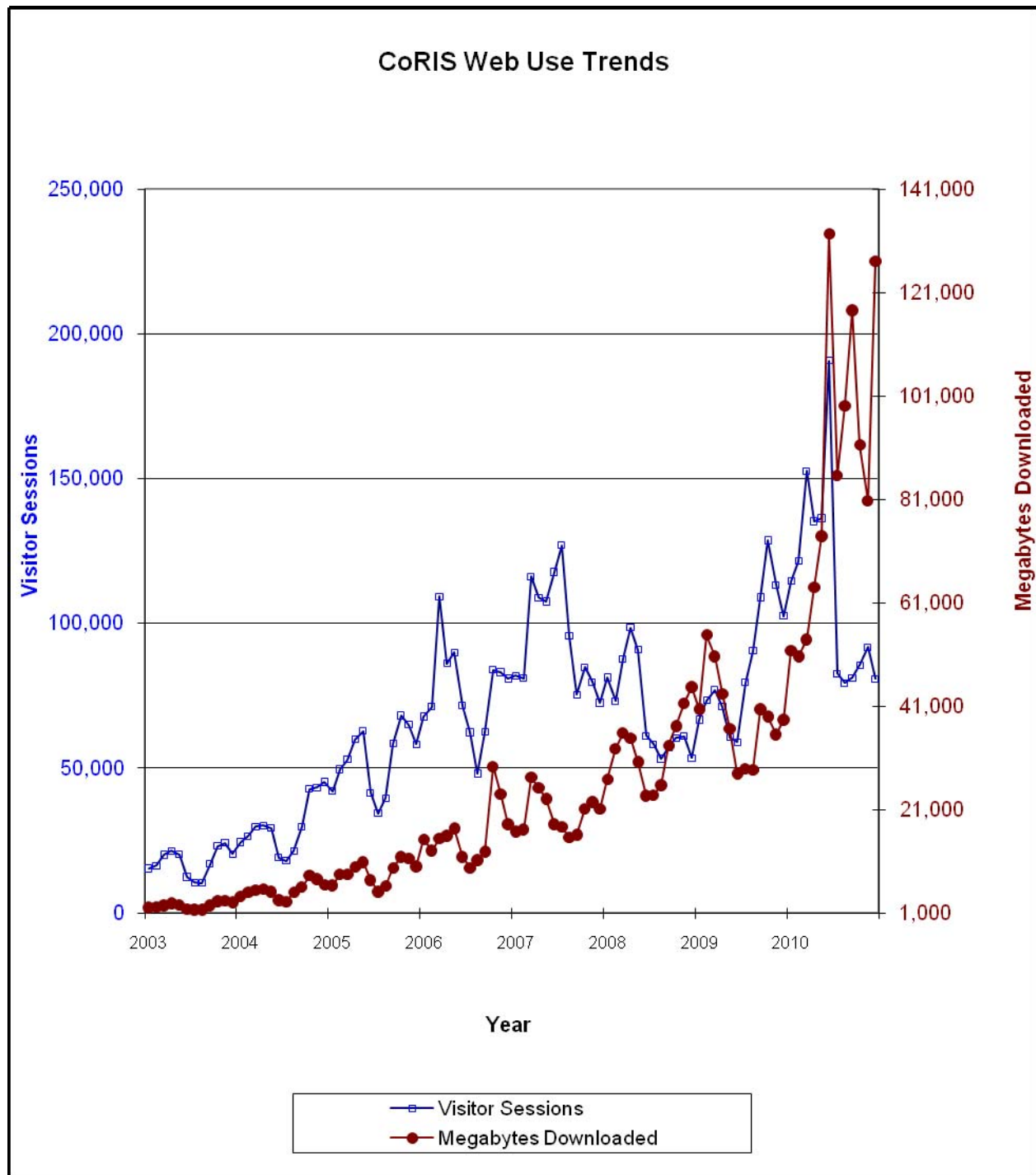
NOAA's Coral Reef Conservation Program (CRCP) Coral Reef Information System (CoRIS) Quarterly Report

**Q1 FY 2011
October – December 2010**

CoRIS Project Highlights

- CoRIS received a request from the NOAA Southeast and Caribbean Data Explorer project team to add the CoRIS metadata catalog to their repository. The NOAA Southeast and Caribbean Data Explorer is a web portal which provides access to NOAA's coastal, marine, and geospatial data within the land areas of North Carolina, South Carolina, Georgia, Florida, Puerto Rico, and the US Virgin Islands, and the marine environment directly adjacent to these lands. The NOAA Southeast and Caribbean Data Explorer will serve as an additional discovery tool for data listed within CoRIS. Once setup is finalized new/updated metadata will be harvested from CoRIS monthly.
- The CRCP General Program Description page (<http://coris.noaa.gov/activities/>) on the CoRIS website was updated to reflect changes to the program as outlined in the 2010-2015 Goals and Objectives.
- Overall navigation of the CoRIS website was improved to allow users to access and search CoRIS metadata, data and publications catalog from multiple entry points.
- A Retired Pages section was added to the CoRIS website (<http://coris.noaa.gov/retired/>). This new section will provide access to pages which have been removed from the primary website for historical reference.
- CoRIS began to implement new product tracking procedures due to requirements outlined in the CRCP Matrix Budget Accountability Policy.

Web Use Trends



In addition to the above statistics 37,386 publications available through <http://data.nodc.noaa.gov/coris/> in CoRIS were accessed by visitors to the website during the first quarter of FY 2011.

Table 1 – Regional Portal Usage Summary

Regional Portal	FY09 - Q3	FY09 - Q4	FY10 - Q1	FY 10 – Q2	FY 10 – Q3	FY 10 – Q4	FY11 – Q1	Total
American Samoa	282	243	805	721	928	606	583	4,168
CNMI	361	355	827	1,151	1,854	1,263	1138	6,949
Florida	547	451	1,035	1,163	1,646	1,100	1,174	7,116
Flower Garden Banks	406	305	711	742	1,214	775	718	4,871
Guam	422	371	976	948	1,175	714	670	5,276
Hawaii	533	441	1,024	1,078	1,150	805	741	5,772
Homepage	1,213	1,095	1,566	1,652	1,921	1,284	1,124	9,855
Marshall Islands	422	336	827	867	1,199	869	1,091	5,611
Micronesia	380	323	694	713	908	547	476	4,041
Navassa	270	231	657	826	897	570	606	4,057
NWHI	227	170	526	553	647	461	418	3,002
Palau	359	312	726	676	846	567	503	3,989
PRIAs	319	236	675	905	539	624	647	3,945
Puerto Rico	433	342	993	1,007	1,475	1,695	1,251	7,196
Virgin Islands	482	226	671	830	881	620	574	4,284
Total	6,656	5,437	12,713	13,832	17,280	12,500	11,714	80,132

Table 1 demonstrates the number of times Regional Portal pages were accessed by visitors to the CoRIS Web site each quarter since the third quarter in FY 2009.

CoRIS Product Highlights

Metadata – The 4,465 metadata records in CoRIS provide managers, researchers, and the public access to 33,029 coral data products via the CoRIS Web site portal. As identified in Table 4, CoRIS continues to acquire metadata. Between October and December 2010, staff added 201 new metadata records and updated 1,597 records.

Publications – CoRIS received and cataloged 57 coral publications in the CoRIS virtual library or NOAA Library from October to December. Types of products received include NOAA technical memoranda and formal reports, workshop reports, conference proceedings and abstracts, unpublished scientific reports, citations of published journal articles, websites, educational brochures, field guides, and video imagery. The CoRIS Web site currently provides access to 2,870 coral publications and online resources, which are referenced in the NOAA Library or CoRIS virtual library database.

CoRIS serves as a portal to NOAA coral data and information. The project is gathering data and publications from CRCP-funded PIs and other NOAA coral sources and making this information

discoverable on the CoRIS Web site for use by the public. The following ten tables summarize and provide details about the metadata, data, and publications available through CoRIS.

Table 2 – Summary of Data and Information Available via CoRIS Web site

	Metadata Records	Data Products	Data Files Served by CoRIS	CoRIS Virtual Library Entries
Dec-09	3,598	31,729	7,686	2,338
Mar-10	3,807	32,193	8,396	2,464
Jun-10	4,106	32,564	8,451	2,581
Dec-10	4,465	33,029	8,561	2,870

Table 2 presents the quarterly total of metadata records, data files, data products, and publications that are served by the CoRIS Web site since the first quarter of FY 2010.

Table 3 – Summary of CoRIS Metadata Records by Line Office

Office/Group	FY10 Records	Total Records
NESDIS	5	460
NMFS	149	2,810
NOS	36	1,009
OAR	11	175
Miscellaneous	0	11
Total	201	4,465

Table 3 lists the number of metadata records in CoRIS by Line Office.

Table 4 – Recent CoRIS Metadata Additions

Source	Description	Metadata Records
NOS	2005 C-CAP data for Kauai and Niihau	2
NOS	2007 JALBTCX Hawaii Lidar: North Coasts of Hawaii (Big Island), Kauai, Maui, Molokai, Oahu	1
OAR	2009 ICON station data	3
OAR	2009 SEAKEYS station data	6
NESDIS	Benthic data for corals, macroalgae, invertebrates, and non-living bottom types from 12 sites in American Samoa, 2005-2009. (NODC Accession 0068364)	1
NESDIS	Coral Reef Temperature Anomaly Database (CoRTAD) Version 3 - Global, 4 km Sea Surface Temperature and Related Thermal Stress Metrics for 1982-2009 (NODC Accession 0068999)	1

NMFS	CRED Geomorphology data layers	25
NMFS	CRED Marine Debris Survey and Removal Efforts within the Northwestern Hawaiian Islands during 1999-2009	1
NMFS	CRED Ocean Data Platform (ODP) Station Data	2
NMFS	CRED Optical Validation Data in the Auau Channel	6
NMFS	CRED Rapid Ecological Assessment Reef Fish Survey – 2010 surveys from American Samoa and the PRIAs	11
NMFS	CRED REA Belt Surveys of Coral Population and Disease Assessments – 2010 surveys from American Samoa and the PRIAs	11
NMFS	CRED REA Invertebrate Quantitative Assessments – 2010 data for American Samoa, Main Hawaiian Islands and the PRIAs	10
NMFS	CRED Sea Surface Temperature (SST) Buoy	3
NMFS	CRED Subsurface Temperature Recorder station data	59
NMFS	CRED Towed-Diver Fish Biomass Survey – 2010 surveys from American Samoa and the PRIAs	11
NMFS	CRED Wave and Tide Recorder (WTR) station data	3
NESDIS	Delta-15 Nitrogen from All Shores of Maui and Benthic, Algae, and Urchin Data from Kahekili, West Maui, 2007-2009 (NODC Accession 0068665)	1
NMFS	Gridded bathymetry of Swains Island, American Samoa	4
NMFS	Gridded multibeam bathymetry of Apra Harbor, Guam U.S. Territory	1
NESDIS	NOAA Coral Reef Watch Operational Twice-Weekly Near-Real-Time Global 50-km Satellite Coral Bleaching Degree Heating Week Product	1
OAR	Oceanographic data from the cruises NF-10-01 and NF-10-02	2
NESDIS	Reef Fish Surveys for Fagatele Bay, American Samoa, 2007 (NODC Accession 0068717)	1
NMFS	Reson 8101ER Multibeam Sonar Data from Cruise SE1002 Commonwealth of the Northern Mariana Islands and Guam	1
NOS	Seafloor Characterization of the U.S. Caribbean – 2004 to 2010 Ground Validation data	16
NOS	Seafloor Characterization of the U.S. Caribbean – 2010 survey data	17
NMFS	Side-scan imagery of Apra Harbor, Guam U.S. Territory	1
	Total Additions	201
	Total Metadata Record Updates and Enhancements	1,597

Table 4 lists the metadata records that were added to the CoRIS Web site this quarter.

Table 5 – Top Ten Downloaded Metadata Records

Metadata Name	Number of Downloads
CRED Fish Biomass Estimates map at Laysan Island	427
CRED Fish Biomass Estimates at French Frigate Shoals in the Northwestern Hawaiian Islands, 2004	415
CRED Fish Biomass Estimates map at Pearl and Hermes Atoll	388
GIS Map of Mosaiced LandSat 7 ETM+ Satellite Imagery of the Marshall Islands	343
CRED Towed-Diver Fish Biomass Surveys at Pagan Island, Marianas Archipelago in 2009	333
The Coral Reef Temperature Anomaly Database (CoRTAD) Version 1 - Global, 4 km, Sea Surface Temperature and Related Thermal Stress Metrics for 1985-2005 (NODC Accession 0044419)	333
CRED Fish Biomass Estimates at Laysan Island, 2004	322
CRED Fish Biomass Estimates at French Frigate Shoals in the Northwestern Hawaiian Islands, 2003	308
CRED Fish Biomass Estimates at Pearl and Hermes Atoll in the Northwestern Hawaiian Islands - 2004	308
High Resolution Aerial Photography of the Main Eight Hawaiian Islands, 2000	306

Table 5 identifies the top ten metadata records accessed this quarter.

Table 6 – Frequency of Metadata Usage

Month	Number of Metadata Accessed
Sep-09	222,600
Oct-09	284,155
Nov-09	141,304
Dec-09	105,657
Jan-10	187,015
Feb-10	129,503
Mar-10	222,840
Apr-10	188,749
May-10	206,281
Jun-10	146,966
Jul-10	122,998
Aug-10	147,349
Sep-10	156,110
Oct-10	194,968
Nov-10	141,102
Dec-10	180,543

Table 6 documents the total number of times metadata records were accessed from the server during FY 2010 and the first quarter of FY 2011.

Table 7 – CRCP and NOAA Coral Publications Received

Source	Count
NESDIS-NODC	1
NESDIS-STAR	9
NMFS-OHC	16
NMFS-PIFSC	9
NMFS-SERO	5
NOS – IPO	0
NOS-NCCOS	2
NOS-OCRM	3
OAR-AOML	0
NOAA	0
Total	45

Table 7 lists new CRCP-funded and other NOAA coral publications, websites, etc. provided to CoRIS this quarter by CRCP Project Managers, Grantees, and other partners.

Table 8 – CRCP and NOAA Coral Publications Cataloged

Type of Publication	Count
Book	1
Journal Article Citations	18
Other Websites	12
Technical Memoranda and Reports	15
Workshop Proceedings	3
Miscellaneous/Other	8
Total	57

Table 8 documents the different types of coral publications added to the CoRIS virtual library and NOAA Library catalogs this quarter.

Table 9 – Top Ten Downloaded Publications

File Name	Number of Downloads
Proceedings of the International Workshop on Red Coral Science, Management, and Trade: Lessons from the Mediterranean	7,374
A Reef Manager's Guide to Coral Bleaching	5,962
CoRIS Glossary of Terminology	4,798
Status of Caribbean Coral Reefs after Bleaching and Hurricanes in 2005	4,126
The State of Deep Coral Ecosystems of the United States	2,810
Coral Health and Disease in the Pacific: Vision for Action	2,694
A National Coral Reef Action Strategy: Report to Congress 2002-2003	2,685
Proceedings of the CITES workshop on the conservation of sea cucumbers in the families Holothuriidae and Stichopodidae	2,443
Implementation of the National Coral Reef Action Strategy: Report on NOAA Coral Reef Conservation Program Activities from 2007 to 2009	2,427
Demographic Baseline Report of U.S. Territories and Counties Adjacent to Coral Reef Habitats; USVI	2,094

Table 9 identifies the top ten publications accessed in CoRIS from October to December 2010.

Table 10 – Coral Reef Data Products provided to NOAA National Data Centers

Office	Name
None	None

Table 10 identifies those data products that CoRIS submitted to a NOAA National Data Center for archiving during the past quarter.

Table 11 – CoRIS Glossary and Acronyms/Abbreviations List

Resource	Additions	Total
Glossary	139	6,319
Acronyms/Abbreviations List	231	4,971

Table 11 lists the number of terms added to the CoRIS Glossary and the Acronyms/Abbreviations List this quarter, as well as the total number of terms available in each list. The Glossary and Acronyms/Abbreviations List continue to be the most highly accessed sections of the CoRIS Web site.